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## Results

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1. Location :

See Annex 1.

2. Plant designation :

In Plant No 45, when labor details were assigned to their places of work, the plant was always called Zavod No 165. The same identification number was seen by source on a bulletin board at the Stolovaya building. PW engineers and draftsmen who were employed in their professions said that the plant is assigned to the Aerodynamic Institute.

### 3. Historical data :

According to Soviet workers the plant was built in the 1930s. It was an aircraft engine plant. Source was under the impression that it was being converted to the production of aircraft turbines. The curved workshop (item 2 of Annex 2) was particularly being reconstructed and the foundations for new machinery were built; in August 1947 the roof of this shop was replaced.

4. Layout: See sketches 2 and 3 on Annex 2.

a. The large workshop (item 1 of sketch 2) was on higher terrain than the other workshops. It was off-limits to PWs. [redacted] the workshop consisted of one hall in which four rows of lathes and milling machines were set up.

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b. The workshop (item 2 of sketch 2) was composed of five departments. Transformers were seen in a 3 x 3 - meter compartment;

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[illegible]

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switchboards were installed on the walls. A 3 x 3 x 3-meter electric furnace was standing in the middle of the room. A cable duct led to the transformer house. Two foundations were dug out and concreted between the furnace and the internal wall. (Dimensions : 2 x 3 meters, 1.5 meter dug in and 30 centimeters above surface).

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Five or six large castings (turbine casings as described in Plant No 45) in addition to wooden and sand molds were seen in this shop. The furnace was not in operation during the day, the castings being produced at night when the PUs were not present. A crucible pot was suspended from a traveling crane.

The other four departments of the building were of about equal size. In the second department were two rows of 10 lathes (2.5 x 1 meter) and 5 milling machines set up in two rows; between the two rows were three boring machines. In each corner of the department a 5 x 7-meter space was partitioned off which was taken up by two rooms, a storage room and a laboratory.

In the third room were six 2.5 x 1-meter lathes arranged in two rows.

The fourth room was equipped with one 1.5 x 1.5 x 2-meter oil-burning furnace, resting on 0.8 meter high iron legs, and with one steam hammer, 2.5 meters high and 30 centimeters in diameter. This room was still being reconstructed. In July 1947 the floor was being taken up (source was assigned to this work).

The fifth room was subdivided into four compartments of equal size. The room was not yet furnished. Wooden floors were being laid and doors were installed.

c. Workshop item 3 of sketch 2 west of the large workshop was being re-equipped. In August 1947 [REDACTED] that a forge was being installed. A furnace was under construction in the middle of the room. [REDACTED] three smith's hearths were also being built. 25X1

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d. The northern workshop (item 4 of sketch 2) was subdivided into three departments. [REDACTED] a turbine of the same type as that described in Plant No 45. The doors of this shop were guarded. The area around this workshop was cordoned off about seven times by factory police and the fire department in August 1947. Throughout the day with only short interruptions the same loud and high-pitched howl was heard as from the test stands of Plant No 45. 25X1

e. Only the roof construction (steel and concrete slabs) was stored on the assembly site (item 5 of sketch 2).

f. Six to eight factory trucks were parked on the parking lot (item 6 of sketch 2).

##### 5. Plant management :

Some of the executive engineers wore air force uniforms, others wore civilian clothes. Air force commissions visited the plant three or four times. They usually stayed in the northern workshop equipped with a turbine.

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6. Work force :

A total of 100 PWs worked one day shift. They were formed into various details assigned to constantly changing places. According to Soviet workers, a total of 1,500 workers worked in two shifts, about 1,000 men being assigned to the day shift.

7. Production :

No definite statements could be made since the plant was being reconstructed. Factory trucks were loading and unloading in front of the northern workshop near the river. The trucks were covered with tarpaulins. The gate guard controlled the incoming and outgoing trucks.

8. Security measures :

There was a factory police of 20 men; 6 to 8 men constantly on duty. Two guards were posted between the curved workshop and the northern workshop. Two unoccupied watchtowers were near the road. There was a board fence along the road and on the west.

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[REDACTED] Comment :

a. The existence of Plant No 165, an installation of the air armament industry was not known. Since the statements made by the same source in two other reports \* are considered correct the data of this report are also believed credible. The special interrogation of returnees who had belonged to the same PW labor detail actually established the fact that this group was temporarily employed in the Tsiam Plant and in Plants No 156 and 165 \*\*. The data on the location of Plant No 165 as given in this report is in agreement with previous information \*\*.

b. From the description of this plant it is inferred that it is some sort of a test plant in which experimental models of jet engines are being built, subjected to endurance tests and apparently also improved. The machine equipment and the work force are such as to exclude the assumption of mere test stand operations.

- 2 Annexes :
1. Location Sketch of Plant No. 165 of the Aerodynamic Institute in Moscow.
  2. Layout Sketch of Plant No 165 of the Aerodynamic Institute in Moscow.

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